



REACT

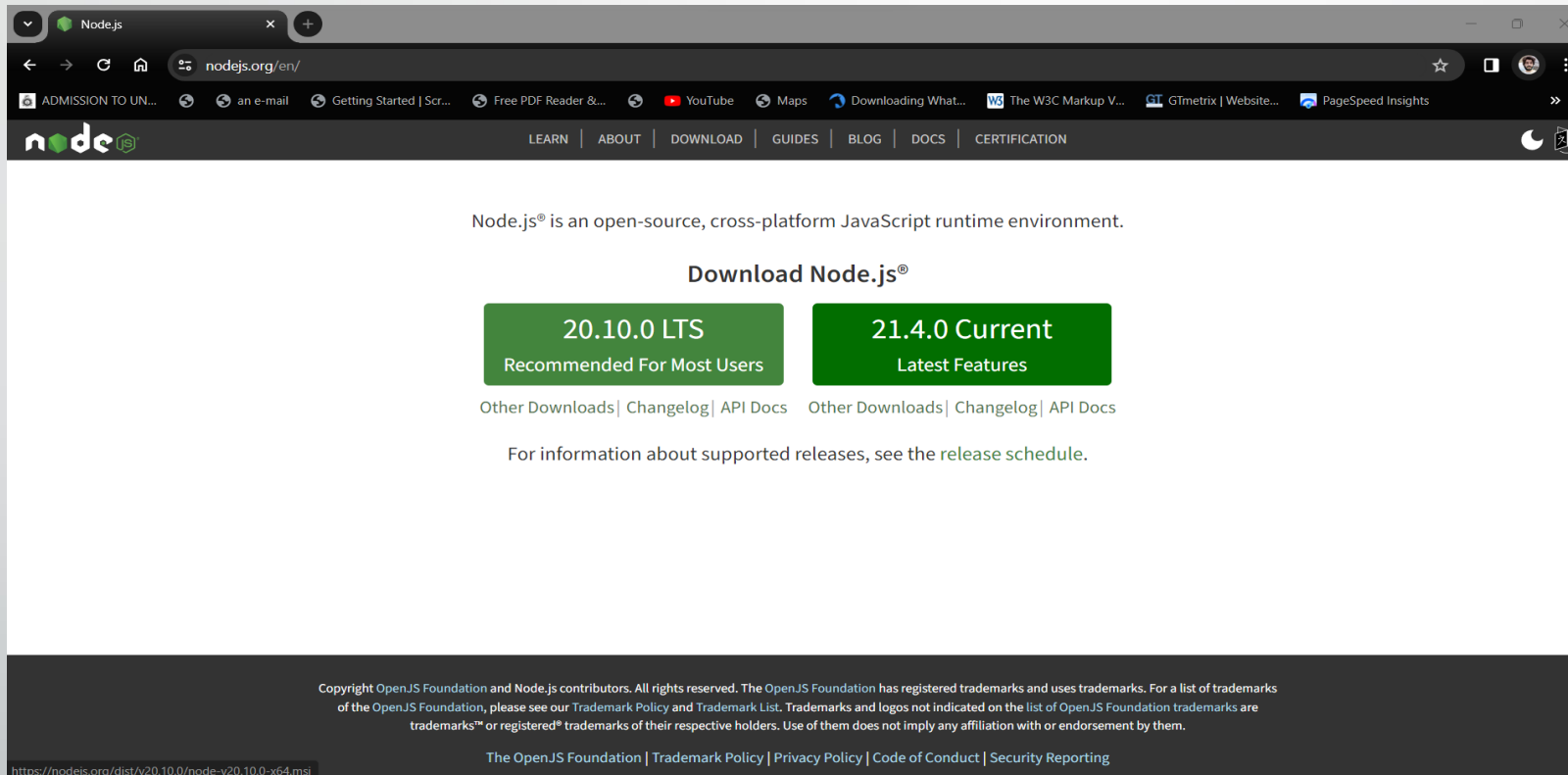
LESSON 2

CO2214 - PRACTICAL WORK ON CO2224

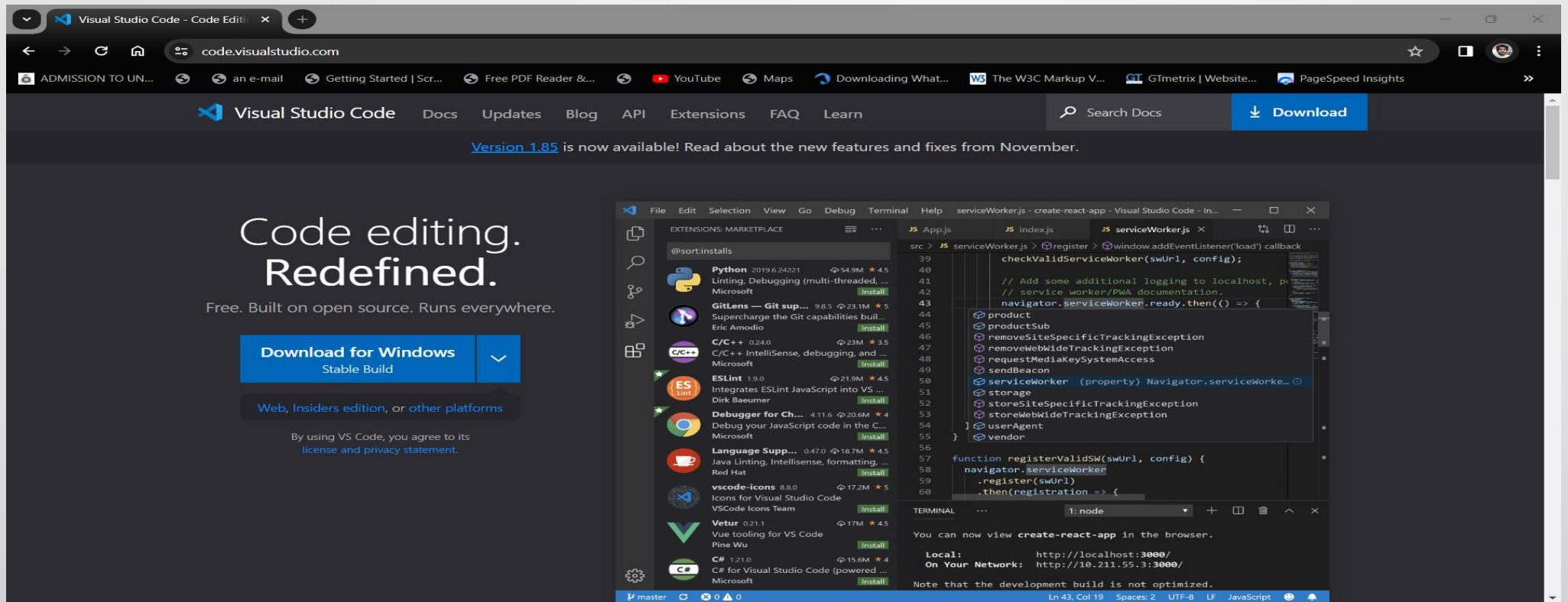
2020/2021

Two Things to Install

➤ Node – <https://nodejs.org/en/>



➤ Text Editor (By choice) – Visual Studio Code – <https://code.visualstudio.com>



Visual Studio Code

Steps to Create First React app

- ✓ Create a folder called react and Open VScode inside that folder
- ✓ Go to integrated terminal and run command
 - `npx create-react-app <project_name>`
(if it is get error run below command and again run this command)
 - `npm install -g create-react-app`
- ✓ navigate inside the project folder using command
 - `cd <project_name>`
- ✓ now run the command
 - `npm start`
- ✓ now, Open the browser localhost:3000
- ✓ You can see the instruction Edit src/App.js and save to reload.

- ✓ Go back to VScode and expand hello-world folder expand src(resource) folder and edit app.js change the text to Hello World!

```
File Edit Selection View Go Run Terminal Help
React

EXPLORER
  REACT
    hello-world
      node_modules
      public
      src
        App.css
        App.js
        App.test.js
        index.css
        index.js
        logo.svg
        reportWebVitals.js
        setupTests.js
        .gitignore
        package-lock.json
        package.json
        README.md

JS App.js
hello-world > src > JS App.js > App
1  import logo from './logo.svg';
2  import './App.css';
3
4  function App() {
5    return (
6      <div className="App">
7        <header className="App-header">
8          <img src={logo} className="App-logo" alt="logo" />
9          <p>
10             Hello World!
11          </p>
12          <a
13            className="App-link"
14            href="https://reactjs.org"
15            target="_blank"
16            rel="noopener noreferrer"
17          >
18            Learn React
19          </a>
20        </header>
21      </div>
22    );
23  }
24

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
node
Compiled successfully!
You can now view hello-world in the browser.

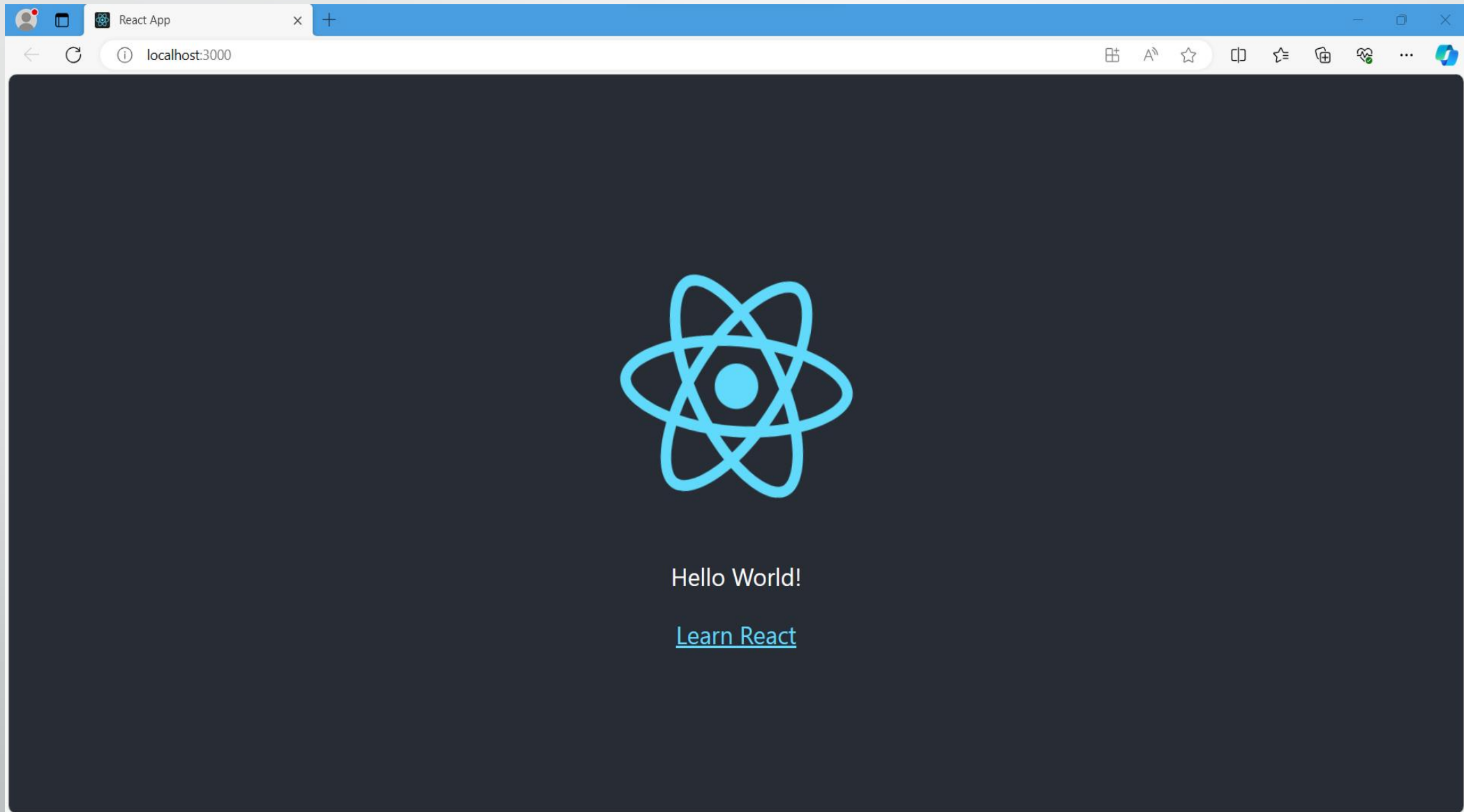
Local:    http://localhost:3000
On Your Network:  http://10.200.22.100:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
```

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✓ Final Output.



Create-react-app packages

1) npx

- `npx create-react-app <project_name>`
- ✓ What exactly is npx?
 - npx is an npm package runner
 - It is definitely able to run the app without having to install it globally.

2) npm

- ✓ First step you have to install package globally by using command
 - `npm install -g create-react-app`
- ✓ After install you have to run command
 - `create-react-app <project_name>`